

化学品安全技术说明书

填表时间 2019-12-26

打印时间 2026-03-26

**MSDS标题**

J.T. BAKER THORIUM 1000 PPM (0.100% W/V) SOLUTION MSDS报告

**产品标题**

硝酸钍水合物

**CAS号**

13823-29-5

**化学品及企业标识**

**PRODUCT NAME**

J.T. BAKER THORIUM 1000 PPM (0.100% W/V) SOLUTION

**NFPA**

Flammability 0

Toxicity 2

Body Contact 4

Reactivity 2

Chronic 2

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

**PRODUCT USE**

Laboratory reagent.

## **SYNONYMS**

"laboratory reagent"

## **CANADIAN WHMIS SYMBOLS**

## **EMERGENCY OVERVIEW**

### **RISK**

Contact with combustible material may cause fire.

Causes burns.

Risk of serious damage to eyes.

## **POTENTIAL HEALTH EFFECTS**

### **ACUTE HEALTH EFFECTS**

#### **SWALLOWED**

The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Considered an unlikely route of entry in commercial/industrial environments.

#### **EYE**

The material can produce chemical burns to the eye following direct contact. Vapors or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage. The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

#### **SKIN**

The material can produce chemical burns following direct contact with the skin. Bare unprotected skin should not be exposed to this material. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

#### **INHALED**

If inhaled, this material can irritate the throat and lungs of some persons. Inhalation hazard is increased at higher temperatures. Reactions may occur following a single acute exposure or may only appear after repeated exposures. Reactions may not occur on exposure but response may be delayed with symptoms only appearing many hours later. The material may produce respiratory tract irritation, and result in damage to the lung including reduced lung function.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by skin contact, eye contact and inhalation of vapor. Prolonged or repeated overexposure to low concentrations of vapour may cause chronic bronchitis, corrosion of teeth, even chemical pneumonitis. Prolonged retention of thorium compounds in the body leads to long-term alpha- irradiation of the tissues. Symptoms only appear after a considerable length of exposure, and there are effects to the blood-forming, nervous and immune systems. The bones and the lung may be damaged. Thorium may cause cancer of the liver, throat, bronchi and kidney.

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